

**CENTRALIZED SCALABLE RESOURCE ARCHITECTURE AND SYSTEM****ABSTRACT OF THE DISCLOSURE**

A centralized resource system comprises a plurality of compute resource units, a plurality of visualization resource units, and a switching fabric coupling the plurality of visualization resource units to the plurality of compute resource units. The switching fabric is operable to couple select one or more visualization resource units to select one or more compute resource units for generating at least one graphical image. A plurality of display devices is coupled to the one or more select visualization resource units operable to display the at least one graphical image.

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